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NEW SOVIET MACHINE TOOLS: CONSUMER GOODS

21-YEAR-OLD PLANT BUILDS NEW MACHINE TOOLS -- Moscow, Ogonek, 6 Sep 53

The Gor'kiy Milling Machine Plant and the Soviet milling machine industry are 21 years old. In 1932, the first 28 domestic machine tools were produced in Gor'kiy.

In 2½ years of the Fifth Five-Year Plan, labor productivity at the plant has increased 60 percent. One factor which has contributed to this increase is the "walking" conveyor which was put into operation at the end of 1950.

Among machine tools produced at the plant in groups (gamma; in Soviet machine-tool building, gamma denotes a group of single-type machine tools of various sizes and capacities) are those included in a basic group in which the machine tools weigh 10 tons and up. Recently, the seventh machine tool, which weighs 140 tons, was completed. The eighth machine tool which will complete this group is a milling machine weighing 330-350 tons.

Recently, the plant was engaged in the assembly of a 173-ton machine tool which is not included in either a group or a series. It is intended for machining the feathers of hydroturbine blades, which the Leningrad Plant imeni Stalin manufactures for the Kuybyshevskaya GES.

PRODUCE FIRST 45-TON CYLINDRICAL GRINDING MACHINE -- Minsk, Sovetskaya Belorussiya, 3 Sep 53

The Khar'kov Machine Tool Building Plant imeni V. M. Molotov has designed and manufactured the first 45-ton cylindrical grinding machine RhSh-1057. It is intended for machining crankshaft pins up to 3 meters long and 3 tons in weight.

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Moscow, Izvestiya, 5 Sep 53

The KhSh-105 cylindrical grinding machine [described in preceding article] is 16.7 meters long, 3 meters wide, and 3.6 meters high. It has eight motors and a special attachment for mounting the shafts. It is three times as productive as existing cylindrical grinding machines in use at machine building plants.

NEW HEAVY HORIZONTAL BORING MACHINE -- Petrozavodsk, Leninskoye Znamya, 4 Sep 53

In 1953, the Leningrad Plant imeni Sverdlov has mastered the production of six types of high-speed machine tools for heavy machine building. Two of these machine tools are for processing turbine parts for the Kuybyshevskaya and Stalin-gradskaya GES.

On 2 September, a state commission approved a new large universal horizontal boring machine developed by designers at the enterprise under the direction of A. Kir'yanov, a Stalin Prize winner. Parts up to 4 tons in weight can be machined on the new machine tool.

NEW SEMIAUTOMATIC MULTITOO L ATHE -- Moscow, Izvestiya, 4 Aug 53

Each year the Novosibirsk Plant imeni XVI Part's'yezd increases the variety of types of its products.

The plant is mastering the production of a new multitool semiautomatic high-production lathe. It is intended for machining complex parts simultaneously with several tools. Labor productivity on this semiautomatic will be four times that of an ordinary lathe.

The plant is now completing the manufacture of units for the machine tool. The first group of semiautomatics will be released at the beginning of August.

PLAN 18-MILLIMETER AUTOMATIC TURRET LATHE -- Leningr'skaya Pravda, 22 Aug 53

The design bureau of the Leningrad Automatics Plant has begun work on a new 18-millimeter automatic turret lathe. After it has gone into production, the plant will have perfected a group (gamma) of metalworking equipment of a specified type intended for machining parts of various sizes and complexities, from minute parts for precision instruments to large accessories.

NEW AUTOMATICS FOR ELECTRICAL INDUSTRY, INSTRUMENT BUILDING, AND WATCH PRODUCTION -- Leningradskaya Pravda, 9 Sep 53

The Leningrad Automatics Plant has doubled its production of automatics in 1953, as compared with 1950. Twenty-eight new automatic machine tools are slated for production in 1953.

The plant recently manufactured a new automatic for the production of drills. The machine tool has a large feed and increased cutter speed. It can produce 200 finished items per shift. With the use of this machine tool, the machining of drills has become completely automatic. Universal equipment and considerable floor space have been freed, and the cycle for manufacturing a drill has been cut in half as compared with semiautomatic production.

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The new automatic is included in a group (gamma) of single-type machine tools for machining large parts of a specified sequence of sizes. It is the third of eight machine tools in the group slated for production in the near future. These automatics can operate in a constant-flow line together with vertical cut-off machines for drill blanks and with other machine tools.

The enterprise has also developed a welding automatic for the electrical industry. It can weld 160,000 small parts per shift.

The plant has achieved good results in the production of precision equipment. It has perfected an automatic for the watch industry. The automatic can machine parts to an accuracy of 5 microns. Parts machined on this automatic bypass finishing operations and go directly into assembly.

At present, plant designers are working on blueprints of a precision and high-production automatic turret lathe for instrument building and watch production.

MACHINE TOOL PLANT PRODUCES CONSUMER GOODS -- Yerevan, Kommunist, 13 Aug 53

In accordance with Malenkov's assignment to expand the production of consumer items, the Yerevan Machine Tool Building Plant imeni Dzerzhinskiy is broadening its variety of types of consumer goods produced. For example, mechanics' tools are being produced and furnace casting (pechnoye lit'ye) is being mastered. Production of a new product has been started: home grinders of two types. These small bench-machines are very simple and convenient to use.

The first group of these grinders will be released by the end of August.

NEW STRAIGHTENING MACHINE FOR ALUMINUM PIPES -- Moscow, Vostnik Mashinostroyeniya, Sep 53

A multiroller machine for straightening aluminum pipes has been put into production at the Tbilisi Machine Tool Building Plant imeni Kirov. In the process of designing the machine, its weight was reduced to almost half of its planned weight.

Tbilisi, Zarya Vostoka, 23 Sep 53

The Tbilisi Machine Tool Building Plant imeni S. M. Kirov has celebrated its 20th anniversary. The plant director is N. Kizivadze.

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